

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/03/00471

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04M1/00 H04M1/725

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 1 158 754 A (JARRETT PHILLIP) 28 November 2001 (2001-11-28) column 7, line 8 -column 9, line 46; figures 2-6 abstract	1-10
Y	EP 0 935 377 A (LUCENT TECHNOLOGIES INC) 11 August 1999 (1999-08-11) column 3, line 33 -column 7, line 20; figures 1,2 abstract	1-10
Y	EP 0 892 533 A (NOKIA MOBILE PHONES LTD) 20 January 1999 (1999-01-20) column 3, line 6 -column 4, line 31; figures 1,2 abstract	1-10

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

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"&amp;" document member of the same patent family

Date of the actual completion of the international search

15 October 2003

Date of mailing of the international search report

03. 11. 2003

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International

Application No

PCT

03/00471

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1158754	A	28-11-2001	EP 1158754 A2	28-11-2001
			GB 2358771 A ,B	01-08-2001
			US 2001031645 A1	18-10-2001
-----				
EP 0935377	A	11-08-1999	US 6256519 B1	03-07-2001
			CN 1232337 A	20-10-1999
			EP 0935377 A2	11-08-1999
			JP 11317811 A	16-11-1999
-----				
EP 0892533	A	20-01-1999	GB 2327554 A	27-01-1999
			EP 0892533 A2	20-01-1999
			JP 11103338 A	13-04-1999
			US 6272361 B1	07-08-2001
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